

Title (en)  
PROCESS FOR THE PRODUCTION OF HIGH QUALITY FIBERS FROM WHEAT PROTEINS AND PRODUCTS MADE FROM WHEAT PROTEIN FIBERS

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON HOCHWERTIGEN FASERN AUS WEIZENPROTEINEN UND AUS WEIZENPROTEINFASERN HERGESTELLTE PRODUKTE

Title (fr)  
PROCEDE DE PRODUCTION DE FIBRES HAUTE QUALITE A PARTIR DE PROTEINES DE BLE AINSI QUE PRODUITS FABRIQUES A PARTIR DE FIBRES DE PROTEINES DE BLE

Publication  
**EP 1896650 A2 20080312 (EN)**

Application  
**EP 06771284 A 20060525**

Priority  
• US 2006020430 W 20060525  
• US 69181605 P 20050617

Abstract (en)  
[origin: US2006282958A1] A series of new manufactured protein fibers from wheat proteins, a method and kit for production of these wheat protein fibers is provided. The method may include dissolving wheat proteins by use of at least one of an alkali, acid, alcohol, reducing agent, amino acid, chemical additive, or salt in weight ratios ranging between approximately 0.5 percent and 50 percent by weight of a single wheat protein or a combination of one or more wheat proteins. Further, the method may involve aging the dissolved wheat proteins at temperatures from approximately minus thirty degrees Celsius (-30° C.) to one hundred and fifty degrees Celsius (150° C.) for approximately one to eighty hours to obtain a spinnable solution. In addition, the method entails extruding the dissolved wheat proteins into a coagulation bath to precipitate the wheat protein fibers in which the coagulation bath includes at least one of an alkali, acid or salt.

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